

QUESTION 7: Purpose of Experiment

Purpose: Re-radiation of GPS signal within building

The installed equipment will be used to repeat/regenerate the GPS signal inside the building for wireless base stations that are connected to a Distributed Antenna System throughout the building.

The equipment/system to be installed consists of a GPS receiving roof top antenna connected to a re-radiating amplifier located inside the building in a designated room. Connection between the roof top receiving antenna and the re-radiating amplifier will be made using LMR400 coaxial cabling. A re-radiating (transmitting) antenna will be connected directly to the amplifier; there is no cabling between amplifier and re-radiating antenna.